

## SPECIFICATIONS FOR INDIANA STATE POLICE VEHICLES

2005 or NEWER MODELS

Purchase Intent Four-Door Sedans for Pursuit Use

We BLOOMINGTON TOWNSHIP INC hereby submit 2005 or Newer FORD CROWN VICTORIA POLICE INTERCEPTOR  
 (Vendor's Name) (Make and Model) (P 71)

to meet the following specifications:

NOTE: Proper evaluation of bid proposal can be made "ONLY" if Vendor provides all information requested.

Bids will be received on 2005 or Newer 4-door Sedans. The specifications contemplate a complete unit notwithstanding the fact that every item constitutes the construction of the specific unit if not specifically mentioned or described herein. The vehicles shall be of such design and construction as to comply with the requirements hereinafter stated and any parts or attachment necessary to form a complete unit must be furnished whether specifically mentioned herein or not.

All vehicle equipment shall be manufacturer installed, unless not available as manufacturer equipment. The bidder's response shall state in the returned bid if the requested manufacturer installed equipment is not available. Any failure to respond correctly to manufacturer installed items may result in bid not being considered for award.

SPECIFICATIONS	SPECIFICATIONS OF BIDDER'S PROPOSAL	
	PROPOSAL	YES/NO
<u>AIR CONDITIONING</u>	<u>AIR CONDITIONING</u>	
System must be designed to prevent component damage due to high speed driving.		yes
<u>ALARM</u> - Factory Installed	ALARM - NOT AVAILABLE from FACTORY	NO
<u>ALTERNATOR SYSTEM</u>	<u>ALTERNATOR SYSTEM</u>	
Transistorized Regulator, 120 amp minimum output capacity, minimum curb idle output of 45 amps (at manufacturer's recommended idle speed). Shall be heavy-duty design, capable of surviving Patrol Car operation. Output ratings are for typical underhood ambient temperatures and not S.A.E. rating period.	200 Amp. Generator.	yes

SPECIFICATIONS	SPECIFICATIONS OF BIDDER'S PROPOSAL	
	PROPOSAL	YES/NO
<u>BATTERY</u>	<u>BATTERY</u>	
12-Volt, minimum 750 cold cranking amps.	750CCA	yes
<u>110 BLOCK HEATER</u>	<u>110 BLOCK HEATER</u>	
<u>FREEZE PLUG TYPE.</u>	immersion, freeze plug type	yes

**BOND CONNECTORS**

As a minimum, the following RF noise reduction shall be supplied. Connections shall be metal to metal, clean of paint, dirt, or grease. Material shall be 3/4 tinned copper braid, securely attached. Bonds shall insure a positive electrical ground.

**(Body)**

Four (4) bonds to the frame, two (2) on each side. Bonds shall be approximately five (5) feet apart.

**(Hood)**

Two (2) bonds to the body with maximum possible separation. (Positive action wipers permitted).

**(Engine)**

Bonded to the auto frame at all front engine mounts.

**(Tail Pipes)**

Bonded to the auto frame near the rear of the vehicle.

**(Trunk Lid)**

Two (2) bonds to the body with maximum possible separation

**BRAKES**

Anti-Lock Braking System Required. See attached requirements.

**BOND CONNECTORS**

2, Rear LH, RH  
(since 1998 front is no longer needed due to composite radiator/support)  
2, LH/RH

eng. to frame  
eng. to dash

2, LH/RH

2, LH/RH

**BRAKES**

A.B.S.

yes

yes

SPECIFICATIONS	SPECIFICATIONS OF BIDDER'S PROPOSAL	
	<u>PROPOSAL</u>	<u>YES/NO</u>
<u>CIGAR LIGHTER</u>  Located in Instrument Panel, wired independent of ignition system.	<u>CIGAR LIGHTER</u>	<u>yes</u>
<u>COOLING SYSTEM</u>  Shall be manufacturer's maximum capacity (heavy-duty) cooling system complete with factory installed coolant recovery system. The system shall operate satisfactorily at factory recommended idle speed in an ambient temperature of 120° without boiling over for 30 minutes with air conditioner operating.  Anti-freeze shall be permanent type installed in all units, regardless of delivery date and be capable of protection to -35 degrees Fahrenheit.	<u>COOLING SYSTEM</u>  fail-safe cooling sys.	<u>yes</u>
<u>CRUISE CONTROL</u>  Factory Installed.	<u>CRUISE CONTROL</u>  factory inst.	<u>yes</u>
<u>DIFFERENTIAL</u>  Limited Slip, Posi-Track, or approved equal. Manufacturer to select and recommend axle ratios which will provide the best overall performance for specified engine and transmission.	<u>DIFFERENTIAL</u>  Limited Slip (3.27) STD	<u>yes</u>
<u>DOOR LOCKS</u>  Electric Door Locks on all four (4) doors.	<u>DOOR LOCKS</u>	<u>yes</u>
<u>ELECTRICAL NOISE ELIMINATION</u>  Vehicle shall be totally free of interference to AM/FM commercial radios and HF/VHF two-way radios. Electrical noise from the vehicle generating system, engine ignition, tires, belts, electrical motors, instruments, accessories, etc. shall be eliminated.	<u>ELECT. NOISE ELIMINATION</u>	<u>yes</u>

SPECIFICATIONS	SPECIFICATIONS OF BIDDER'S PROPOSAL	
	<u>PROPOSAL</u>	<u>YES/NO</u>
<u>ENGINE</u>  Number of cylinders shall be eight (8).	<u>ENGINE</u>  4.6L V-8	<u>yes</u>
<u>FLOOR MATS</u>  Standard carpeting as furnished for current models,	<u>FLOOR MATS</u>  carpet w/carpeted mats.	<u>yes</u>

with color coded throw type floor mats (minimum of 4).

#### FRAME

Must have heavy-duty frame with additional welds and/or structural member to provide it with greater structural integrity than standard frame. Frame must be designed for high speed police pursuit operations.

#### FUEL SYSTEM

The vehicle shall be equipped with a gasoline tank of maximum capacity available.

#### GLASS

As supplied by manufacturer, shaded windshield. Two (2) front door windows to be power operated. (All windows power operated acceptable.)

#### HEADLIGHTS

To be equipped with high and low beam Quartz-Halogen Headlights.

#### HOOD LATCH RELEASE

To be equipped with inside latch release

#### INTERIOR LIGHTS

Manually operated from headlight switch. Standard interior dome lights and second light mounted in rear of top center of windshield, or approved location. Not to light when doors open.

#### FRAME

H D Frame

#### FUEL SYSTEM

19-GAL.

#### GLASS

All power

#### HEADLIGHTS

#### HOOD LATCH RELEASE

#### INTERIOR LIGHTS

courtesy lamps disabled. Aux. dome lamp w/switch @ w/s header.

yes

yes

yes

yes

yes

yes

yes

SPECIFICATIONS	SPECIFICATIONS OF BIDDER'S PROPOSAL	
<p><u>KEYS</u></p> <p>Each unit to be equipped with single key locking system. Three (3) keys provided with each vehicle. Each vehicle with different key codes.</p> <p><u>LIGHT - TRUNK COMPARTMENT</u></p> <p>To be equipped with trunk compartment controlled by mercury switch.</p> <p><u>JACK &amp; TOOL</u></p> <p>Factory type as supplied for current models.</p> <p><u>MIRRORS</u></p> <p>One (1) interior, day or night tab, non-glare. Two (2) outside mounted on left and right doors, with inside remote control on left and right side mirror.</p> <p><u>PAINT</u></p> <p>Solid color to be specified at time of order from Manufacturer's standard colors.</p> <p><u>PERFORMANCE</u></p> <p><u>Acceleration</u></p> <p>0 - 60 mph - 10.0 seconds 0 - 80 mph - 17.2 seconds 0 - 100 mph - 28.2 seconds</p> <p>Vehicle will make four (4) acceleration runs and the times for the four (4) runs will be averaged.</p> <p>Top speed of 120 mph (clean car) must be attained with a two (2) mile distance.</p> <p>Results from the Michigan State Police Patrol Vehicle Test will be utilized for determining times and speed.</p>	<p><u>PROPOSAL</u></p> <p><u>KEYS</u></p> <p><u>3 Keys</u></p> <p><u>LIGHT - TRUNK COMPARTMENT</u></p> <p><u>JACK &amp; TOOL</u></p> <p><u>MIRRORS</u></p> <p><u>PAINT</u></p> <p><u>PERFORMANCE</u></p>	<p><u>YES/NO</u></p> <p><u>yes</u></p> <p><u>yes</u></p> <p><u>yes</u></p> <p><u>yes</u></p> <p><u>yes</u></p>

SPECIFICATIONS	SPECIFICATIONS OF BIDDER'S PROPOSAL	
<p><u>RADIO</u></p> <p>Manufacturer's Standard AM-FM CD Radio.</p> <p><u>REAR WINDOW DEFROSTER</u></p>	<p><u>PROPOSAL</u></p> <p><u>RADIO</u></p> <p><u>AM FM CD Single Disk, in dash. Factory Inst.</u></p> <p><u>REAR WINDOW DEFROSTER</u></p>	<p><u>YES/NO</u></p> <p><u>YES</u></p> <p><u>yes</u></p>

Electrically heated.

### SEATS

Front: Two (2) individual seats with heavy-duty springs, cushion and back. Cushion to have foam rubber pad with a minimum of 8" of space between seats to accommodate ISP Console.

Rear: Standard as supplied for current models.

Covering Material: All Cloth or Cloth and Vinyl. Seat and Back Rest to be cloth. All Vinyl NOT ACCEPTABLE.

### SPARE TIRE

Tire and Wheel to be mounted in trunk.

### SPEEDOMETER

Police type, calibrated within  $\pm$  3 mile per hour accuracy.

### SPOTLIGHT

One (1) 5 or 6 inch spotlight with chrome finish, internal control, Quartz Halogen seal beam and mounted through left cowl or "A" Post.

### STEERING

Power Steering, manufacturer to provide Steering Gear which affords "maximum-firm feel" and fast return characteristics, designed for high speed pursuit-type driving. Steering to be TILT WHEEL. ✓

### SEATS

Cloth fr/vr

### SPARE TIRE

FULL-SIZE

### SPEEDOMETER

### SPOTLIGHT

6"

### STEERING

"Rack & Pinion steering for improved steering feel and tighter turning circles"  
(TILT WHEEL)

yes

STD

yes

yes  
—

yes

yes  
—

SPECIFICATIONS	SPECIFICATIONS OF BIDDER'S PROPOSAL	
<p><u>SUSPENSION SYSTEM, POLICE</u></p> <p>Heavy-duty suspension system, front and rear; heavy-duty shock absorbers, front and rear, with no less than 30% rebound control. Heavy-duty stabilizer bars, front and rear, giving the best combination to reduce body roll and provide flat cornering, dive on harsh or severe braking and limit squat on fast acceleration to provide optimum handling. Heavy-duty springs (or equal components) to maintain vehicle at recommended bumper height with 200 lbs. extra weight in trunk.</p> <p><u>TIRES</u></p> <p>Five (5) Full Sized Tires Mounted. Tires must be approved by U.S. Department of Transportation for Police Pursuit Use. Goodyear RSA, General XP 2000 or equivalent.</p> <p><u>TRANSMISSION</u></p> <p>To be automatic type. Shall be heavy-duty design engineered for Engine Specified and suitable for Police Pursuit Service.</p> <p><u>TRUNK</u></p> <p>Remote control trunk compartment lid release with switch located within immediate reach of driver position, to operate with ignition switch in the ON and/or ACCESSORY position <u>ONLY</u>, Non-operative in OFF position. (Glove Box Mount not acceptable.)</p> <p><u>TRUNK MAT</u></p> <p>Standard</p>	<p><u>PROPOSAL</u></p> <p><u>SUSPENSION SYSTEM, POLICE</u></p> <p><u>TIRES</u></p> <p><u>TRANSMISSION</u></p> <p><u>TRUNK</u></p> <p>Trunk switch operating only in <u>switched position</u>. Constant "HOT" switch is <u>NOT</u> submitted.</p> <p><u>TRUNK MAT</u></p>	<p><u>YES/NO</u></p> <p><u>yes</u></p> <p><u>yes</u></p> <p><u>yes</u></p> <p><u>yes</u></p> <p><u>yes</u></p>

SPECIFICATIONS	SPECIFICATIONS OF BIDDER'S PROPOSAL	
	<u>PROPOSAL</u>	<u>YES/NO</u>
<u>VASCAR</u>  The vehicle's speedometer drive gear must be capable of driving a VASCAR Odometer Module and the vehicle's speedometer.	<u>VASCAR</u> VASCAR BY SPEEDO.GEAR IS NOT AVAILABLE. see: <u>VAS-180</u> Module (LINE ITEM #14) OPTIONAL FOR ISP installation (3-wire installation)	<u>NO</u>
<u>WHEEL BASE</u>  Unit shall be a minimum of <u>110"</u> wheel base.	<u>WHEEL BASE</u> FORD CR.VIC: 114" CHEV. IMPALA: 110"	<u>yes</u>
<u>WHEELS</u>  Police Pursuit Type. To have standard wheel covers as furnished for current models.	<u>WHEELS</u> STANDARD CENTER HUB CAPS, 6" DIAMETER	<u>yes</u>
<u>WINDSHIELD WIPERS</u>  Electric, multiple speed with intermittent and washers.	<u>WINDSHIELD WIPERS</u>	<u>yes</u>



OTHER REQUIREMENTSDELIVERY REQUIREMENT:yes

Delivery to be made to the State Police Garage, 8500 East 21st Street, Indianapolis, Indiana, within 90 days after Award of Purchase Order and in accordance with Delivery Schedule as published. Delivery not to exceed 100 vehicles per month. No more than 10 acceptable vehicles may be delivered per working day, between the hours of 8:00 a.m. and 3:00 p.m. Prior to delivery, the Dealer must call the Indiana State Police Garage regarding quantity delivered and the paperwork involved. No dealer name signs, clips, license brackets, or other devices shall be affixed to any part of the vehicle.

All vehicles are to be delivered at no charge to Government facilities within Marion County.

WARRANTY:yes

Manufacturer's standard service policy shall be furnished complete and unaltered with each unit delivered. Manufacturer's warranty to apply. In addition, the owner service policy shall be recognized and accepted by all authorized dealers within the boundaries of the State of Indiana, regardless of the District or Regional Headquarters under which they operate. Terms of Warranty shall be submitted with the bid, including any extension of warranty not normally covered by the manufacturer's standard warranty. Warranty work will be performed at a dealership in the area in which the vehicle is assigned. Warranty period will start on the date that the vehicle is put into service. Use of other than original equipment service parts will not void warranty.

Authorization for the Indiana State Police Department to perform warranty repairs and for claiming, and receiving reimbursement from the manufacturer for making such repairs and/or adjustments. Overall warranty coverage may be considered in the awarding of the contract.

SPEEDOMETER: Shall not exceed 150 miles prior to delivery to the Indiana State Police.

yes

## OTHER REQUIREMENTS

PILOT MODEL: The successful bidder shall make arrangements with the manufacturer to furnish one (1) Pilot Model automobile for inspection and approval by State Police personnel, and provide arrangements for (not to exceed) four (4) persons to inspect the Pilot Model at a location determined by the manufacturer, prior to commencing production. The car furnished to the Michigan State Police for testing will not be accepted as the Pilot Car for this bid. The manufacturer shall be responsible for all cost incurred, including any transportation, housing and per diem costs for State Employees.

HEAVY-DUTY DEFINITION: Where Heavy-Duty is indicated, this shall be interpreted to mean above the quality in standard production of that vehicle's series for marketing to the General Public, when such equipment is available.

QUALITY CONTROL CHECK: All vehicles must be quality control checked by actual road test prior to delivery. Each vehicle shall be driven no less than 10 miles by an experienced quality control person. All appropriate corrections should be made using new and unused parts. Used or reconditioned parts will be cause for cancellation of the contract.

EQUIPMENT & COMPONENTS: All equipment and components shall be original factory installed and covered by manufacturer's warranty.

Any required equipment not available as a factory installed item shall be so indicated on bid response.

Manufacturer of equipment and warranty coverage shall also be indicated on bid response.

INDIANA STATE POLICE BRAKE TEST

Brakes and related components shall possess characteristics necessary for a vehicle engaged in high speed law enforcement work with regard to fade during repeated high speed stops. Several of the initial group of vehicles delivered on this contract will be selected at random. These vehicles will be immediately placed in service to accumulate several thousand miles. During this period the brake linings will be properly burnished in by making moderate 40 to 50 M.P.H. stops until the lining has established a smooth contact pattern over 80% of its total area.

At this time, the following test will be performed in the presence of the manufacturer's representative:

1. Test vehicles will be required to make 4 consecutive stops from 90 mph, with constant deceleration rate of 22 feet per second/per second maintained from 90 to 0 mph. Immediately following this brake heat-up procedures, a controlled impending skid stop will be made from 60 mph.
2. After a 4-minute wait, test "1" will be repeated. Immediately following, each vehicle is required to complete a panic stop from 60 mph. Evidence of brake fade and ability of the vehicle to stop in a straight line within its own lane will be evaluated.

All tests will be evaluated by use of decelerometer and failure to pass this test will require the manufacturer to bring all cars to specifications.

Failure to do so could result in the following.

Non-acceptance of future deliveries.

Return of all units to vendors.

Cancellation of contract and award made to the next lowest qualifying bidder of a competitive make.

One (1) minute cooling period will be allowed between last part of the test.